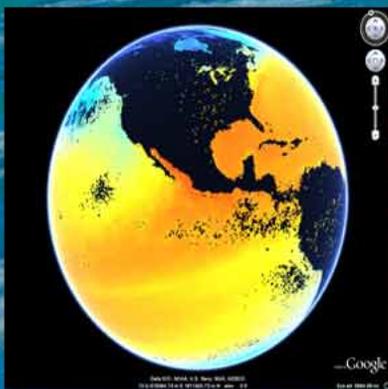
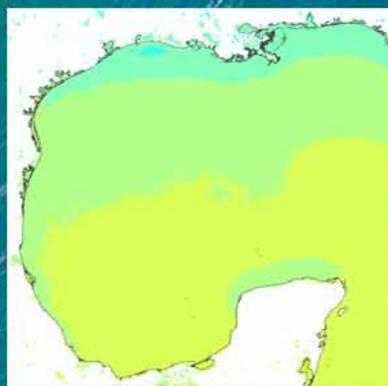
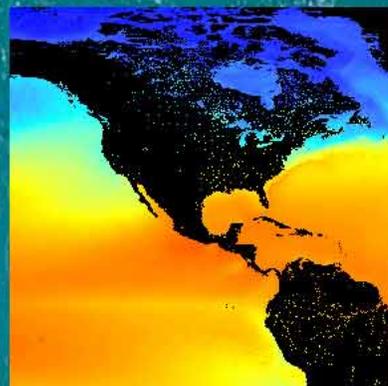


Pathfinder 4km Sea Surface Temperatures in GeoTIFF format 1985-2009

NOAA National Oceanographic Data Center



<http://www.nodc.noaa.gov/SatelliteData/>

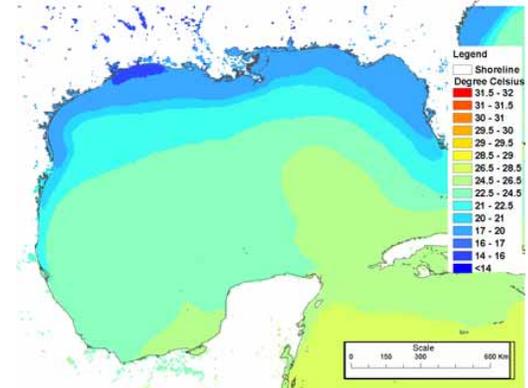


Pathfinder combined day/night 4km Sea Surface Temperatures in GeoTIFF format



Pathfinder data in GeoTIFF format

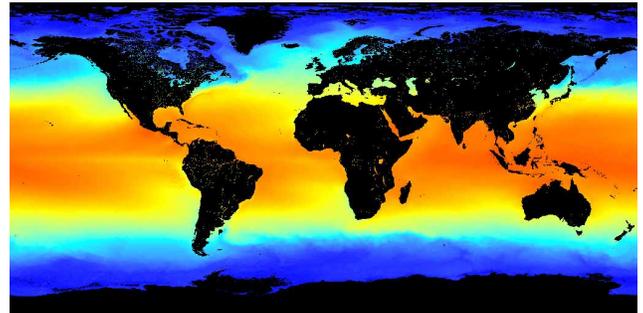
- **4 km NODC/RSMAS AVHRR Pathfinder v5 Seasonal and Annual Day-Night Sea Surface Temperature Climatologies for 1982-2009 for the Gulf of Mexico** (<http://accession.nodc.noaa.gov/0072888>) - Contains SST climatologies for the Gulf of Mexico (GOM), derived from the AVHRR Pathfinder v5.0 SST data set. The climatologies were produced from 5-day cloud-screened day-night averages of Pathfinder SST data from 1982-2009. In addition to sea surface temperature, the climatologies also include minimum, maximum, standard deviation, and number of observations with associated browse graphics in .png format.



- **4 km AVHRR Pathfinder v5.0 Global Day-Night Sea Surface Temperature Averages, 1985-2009** (<http://accession.nodc.noaa.gov/0077816>) - Contains a set of monthly and yearly global day-night sea surface temperature averages derived from the Pathfinder v5.0 SST monthly full resolution cloudscreened data set. These day-night averaged data are of quality flags 4-7, suitable for general use studies. The GeoTIFF SST averages were assigned projection GCS_WGS_1984. In addition, browse images in .png format with an associated .kml file for each year are included with these data as well as detailed metadata.

About Pathfinder data

- **The Pathfinder Version 5.0 (v5.0) data set is a 25+ year sea surface temperature (SST) record based on NOAA Advanced Very High Resolution Radiometer (AVHRR) observations and an improved Pathfinder algorithm developed by the NOAA National Oceanographic Data Center (NODC) and the University of Miami Rosenstiel School of Marine and Atmospheric Science (RSMAS).**



- **The Pathfinder v5.0 data set implemented numerous improvements over previously available V4 Pathfinder and operational AVHRR SSTs, including a more accurate, consistent land mask, higher spatial resolution, and inclusion of sea ice information.**
- **Pathfinder v5.0 SSTs are available twice-daily at a resolution of approximately 4 km, the highest possible for a global AVHRR data set. In addition to SST, Pathfinder V5 includes an overall quality mask, first-guess SSTs, number of observations per pixel, standard deviation, and two additional quality fields. Data are Hierarchical Data Format Verison 4 (HDF 4) files, using the Scientific Data Set (SDS) model.**

Of special note: As of September 2011, the NODC released the **AVHRR Pathfinder Version 5.2 (PFV52) Sea Surface Temperature** data set. This new version of Pathfinder includes substantial updates to the data format, content, and metadata. While previous versions of Pathfinder were in HDF-SDS format, the new Version 5.2 is in CF-compliant netCDF-4, conforming to the *GHRSSST Data Specification Version 2 (GDS2.0)*.

<http://www.nodc.noaa.gov/SatelliteData/pathfinder4km/>

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